



BLEOMYCIN GENE CLUSTER COMPONENTS AND THEIR USES

Ben Shen *et al.*

Serial No: 09/477,962

Atty Docket NO: 407T-895820US

1/19

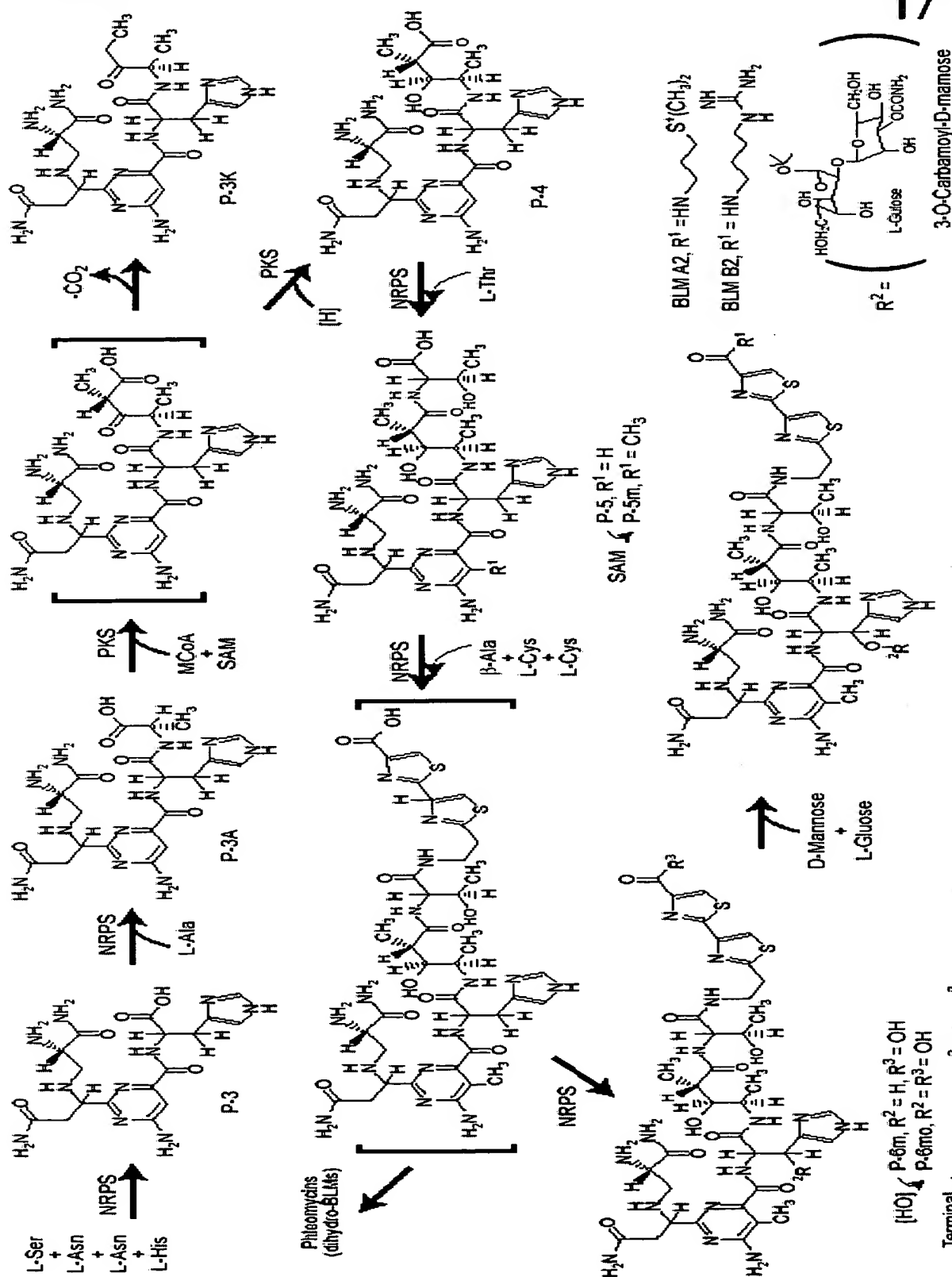


Fig. 1A

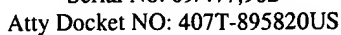


Fig. 1B

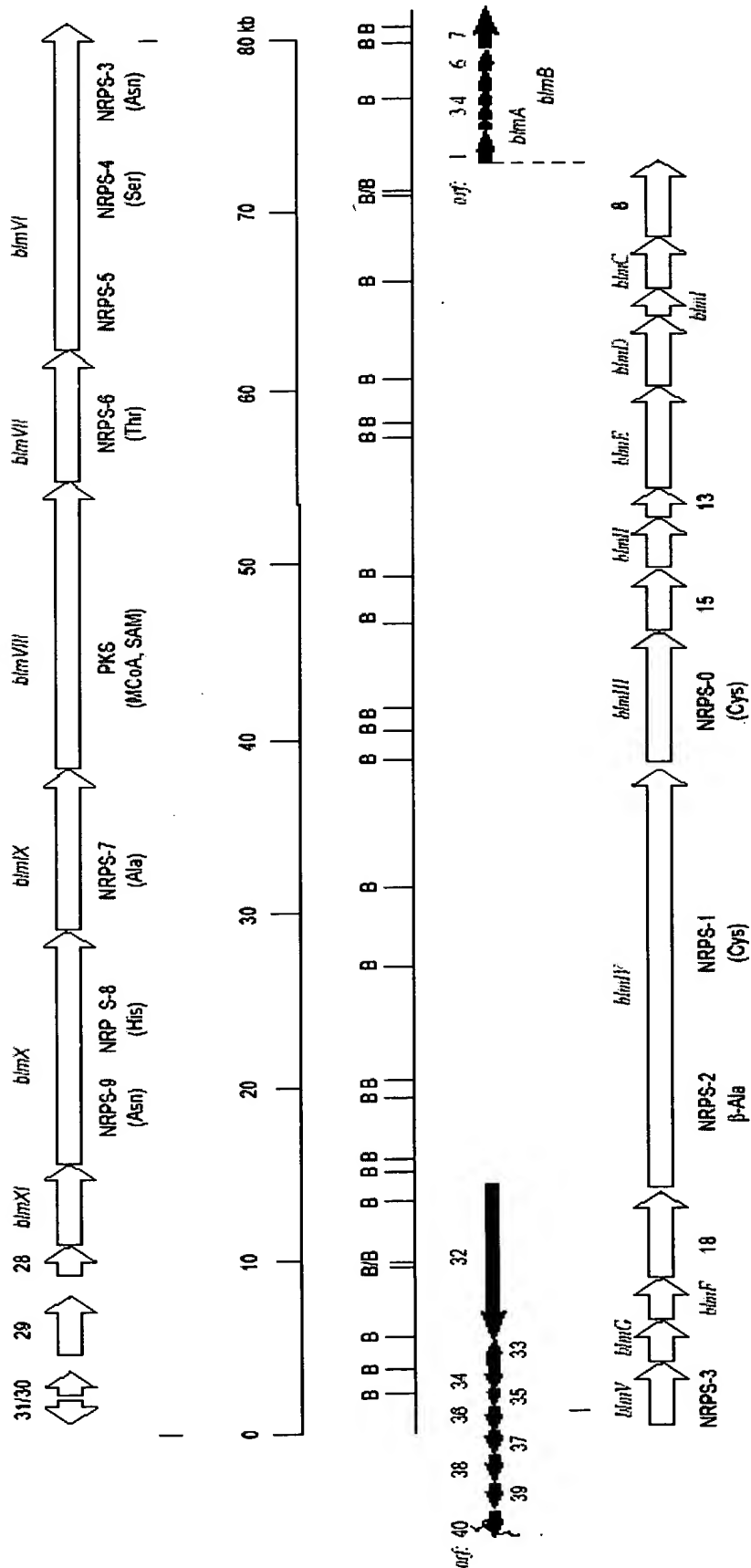


Fig. 2



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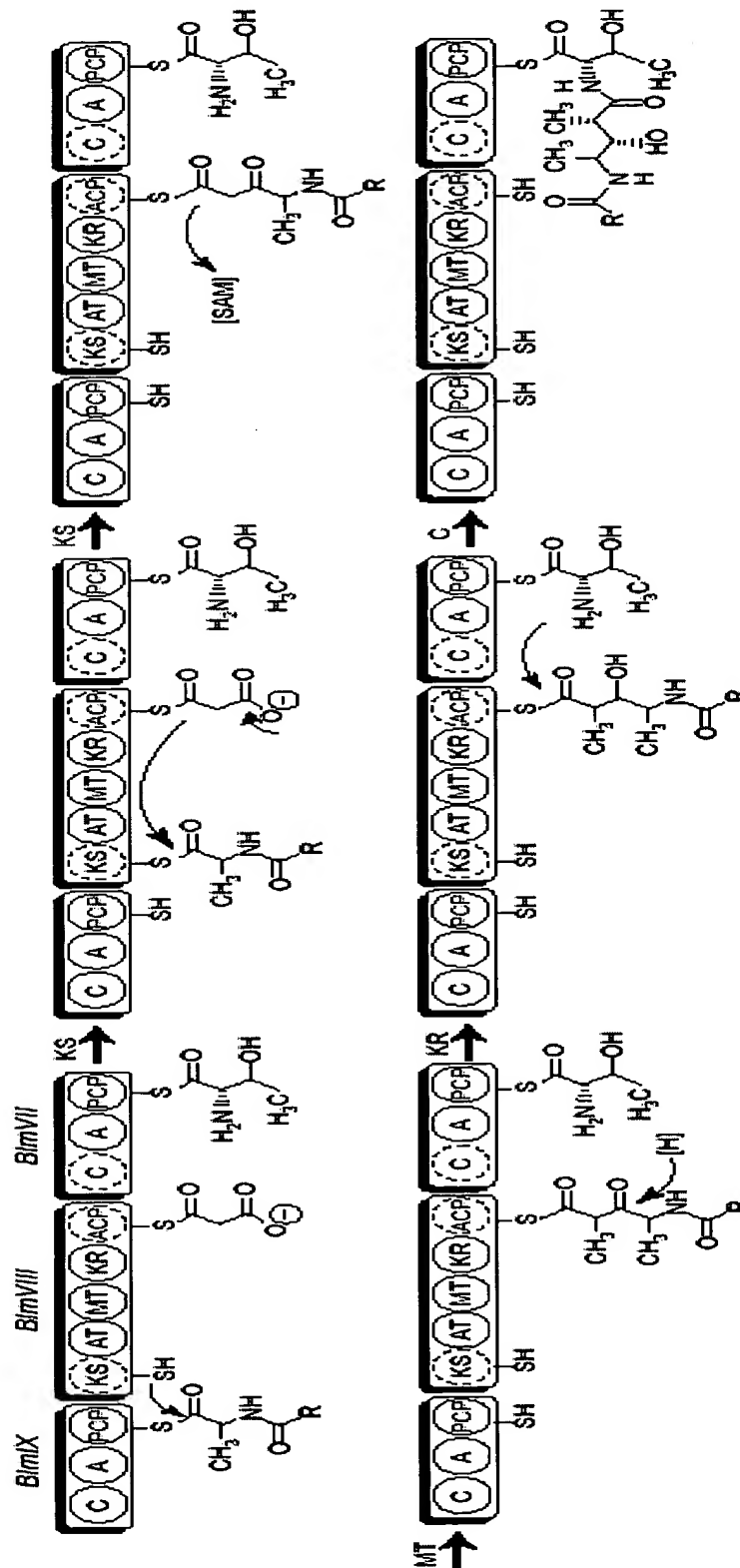


Fig. 4



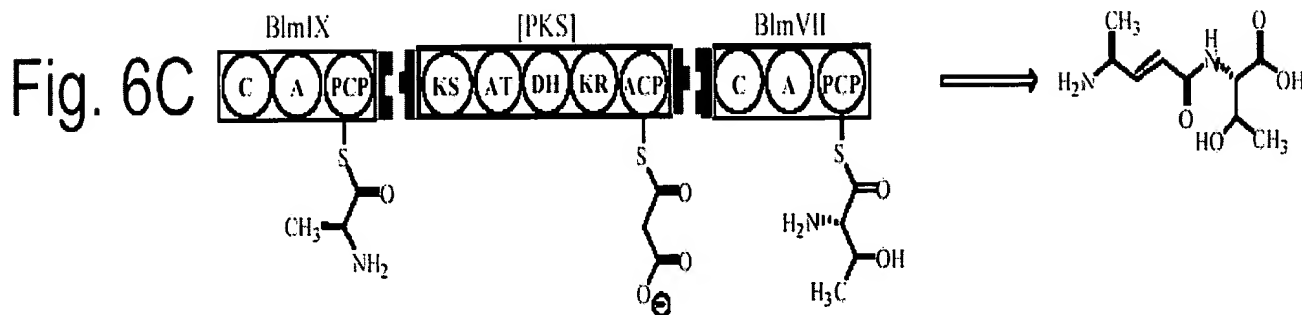
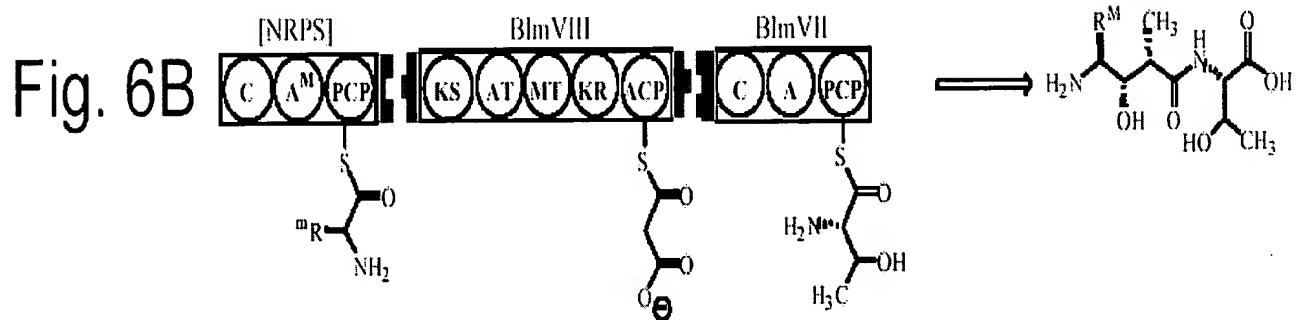
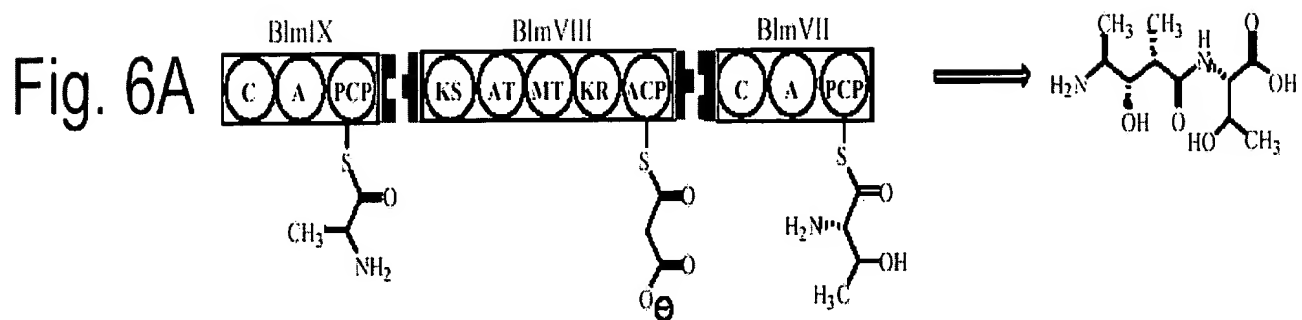
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9/19





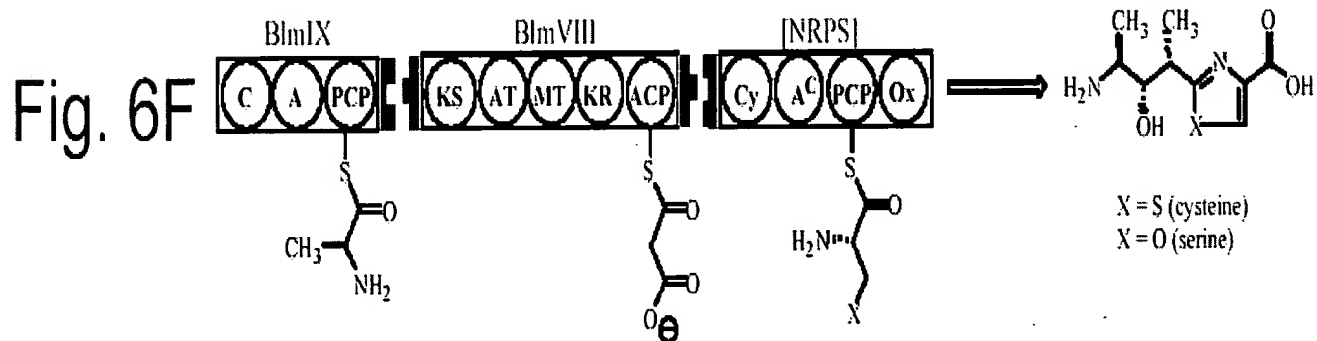
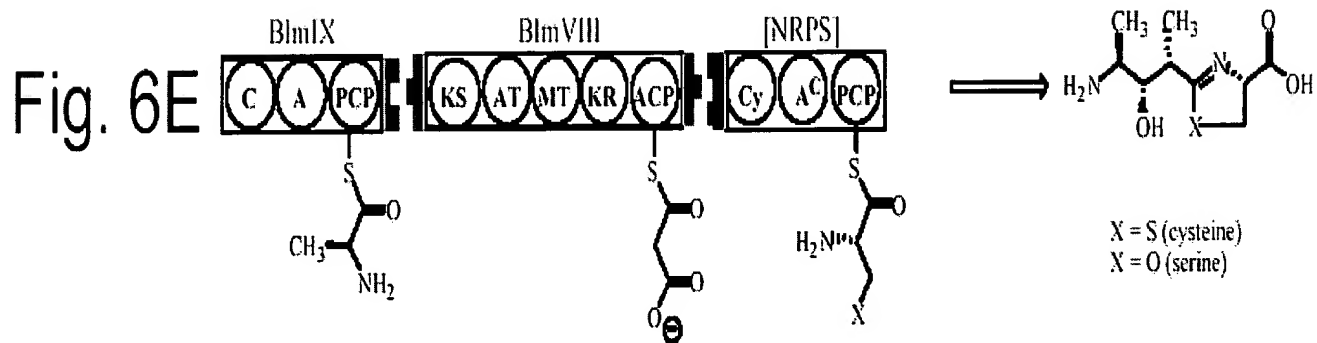
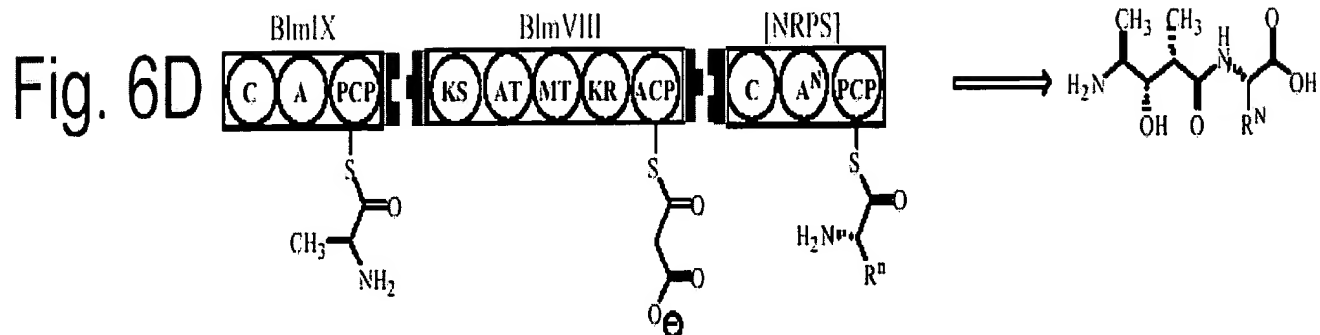
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10/19





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14/19

-18 RBS
CC GGACGG CGGCCCCGCTC
ATGAGCGCGCGCGCGCGAGCGGACCGCGCGCGCGCGCTCGAACCGGACATCGCGCGGATCTGGGCGGAGACCTCGGCAGGGACAGCGTC 93
M S A P R G E R T R R A L E R D I A A I W A E T L G R D S V
GGCGCGCAGGAGGACTTCGCGCGCGCTGGCGCGCACTCATCCACCGCATCAAGATCACCAACCGGGTGGAGGAAGCTCGTCGACCGCGGAGCTG 186
G P H E D F A A L G G N S I H A I K I T N R V E E L V D A E L
TCCATCGCGGTCCTGCTCGAGACCGCGACCGTGGCGCGCATGACGGACCACTCCACCGGACCGTCACCGGGGAGCGCGGACCGGTGA 273
S I R V L L E T R T V A G M T D H V H A T L T G E R D R *

Fig. 8C

Grs-2	3045-ISIGTEYVAPRTMLEGKLEEIWKDVLGLQVGLIHDDEFTIEGHSL-3089
Srfa-3	960-DQLAEWIGPPNEMEETIAQIWSEVLGRKQIGIHDDFFALGHSL-1004
Vir-S	557-GRSVEGRGVPPPTPQQEILASLFAEVLGLSKVGIHEDTFDLGHSL-601
Saf-B	1661-LDPGQDYLAPFNELEARIAATWEGLRRERVGVHDSFFDLGNGL-1705
BlmI	1-MSAPRGERTRRALERDIAAIWAETLGRDSVPHEDFAALGGNSI-45
consensus	1-i g eyvapR le ia iw evLgr rvGiHddFf lGGhSl-45

Grs-2	3090-KMAVISQVHKECQTEVPLRVLFETPTIQGLAKYIEETDTEQYMA-3134
Srfa-3	1005-KMTAVPH.QQELGIDLVPVKLLFLAPPIAGISAYLKNGGSDGLQD-1048
Vir-S	602-LTRLTSRIRTVLGAETIAVRDLFLAPIVEALAEETLEEAREVRPAL-646
Saf-B	1706-LTRLATRLAATLQVOAGVRTVFEHRIWAQAAHFTQATKTHQAH-1750
BlmI	46-HIKITNRVEELVDAELSIRVLLSTRIVAGMTDHSVHATLTGERDR-90
consensus	46-kAmrv srv l ev vrvlfE pTvagla i g t -90

Fig. 9